



290202

Part No: RBEA62309



**Priority:** Medium

**Job Tracking No:**

**Created By: Marie Lajeunesse**

**Description:**

**Ship Via:**

## Job Routing

Sign-in

DAS 21

## Operation



4

Plex 1/17/18 8:55 AM Dart laieunesse marie

QW 3-79

|                  |                              |   |   |   |   |
|------------------|------------------------------|---|---|---|---|
| ✓                | RBE350A94-3700-C GA141       | 1 | 0 | 0 | 0 |
| 5041074          | ✓ RBE350A94-3701-00 GA134    | 1 | 0 | 0 | 0 |
| ✓                | RBE350A94-5201-20 GA141      | 1 | 0 | 0 | 0 |
|                  | RBE703A94-1130-01            | 1 | 0 | 0 | 0 |
| ✓ Drain Hose     | ✓ RBE703A95-0505-00          | 1 | 0 | 0 | 0 |
|                  | ✓ RBE703A95-0508-00 GA072    | 1 | 2 | 0 | 0 |
| 5058278          | ✓ RBE703A95-0520-01-10 GA141 | 1 | 0 | 0 | 0 |
|                  | RBE703A95-0520-01-11         | 1 | 0 | 0 | 0 |
|                  | RBE703A95-0520-01-13         | 1 | 0 | 0 | 0 |
| 2 Kit pour grill | RBE703A95-0520-01-15         | 1 | 0 | 0 | 0 |
|                  | ✓ RBEA62309-65 GA130         | 1 | 0 | 0 | 0 |
|                  | ✓ RBEA62309-81 GA071         | 1 | 0 | 0 | 0 |
|                  | ✓ RBEA62309-83 GA071         | 1 | 0 | 0 | 0 |
|                  | RBEA62310                    | 1 | 0 | 0 | 0 |
| 504358           | RBT18025-13 GA141            | 1 | 0 | 0 | 0 |
| 5045544          | RBW109-3101-58-1-1 GA102     | 1 | 0 | 0 | 0 |
| 5046740          | RBW109-3101-58-2-1 GA102     | 1 | 0 | 0 | 0 |

### Part Specifications

Specifications could not be found.

Plex 1/17/18 8:55 AM Dart.lajeunesse.marie



Container No: S056922



Part: RBEA62309

Job No: 170530

Serial No/Batch: S056922

Revision: 12

Inspector:

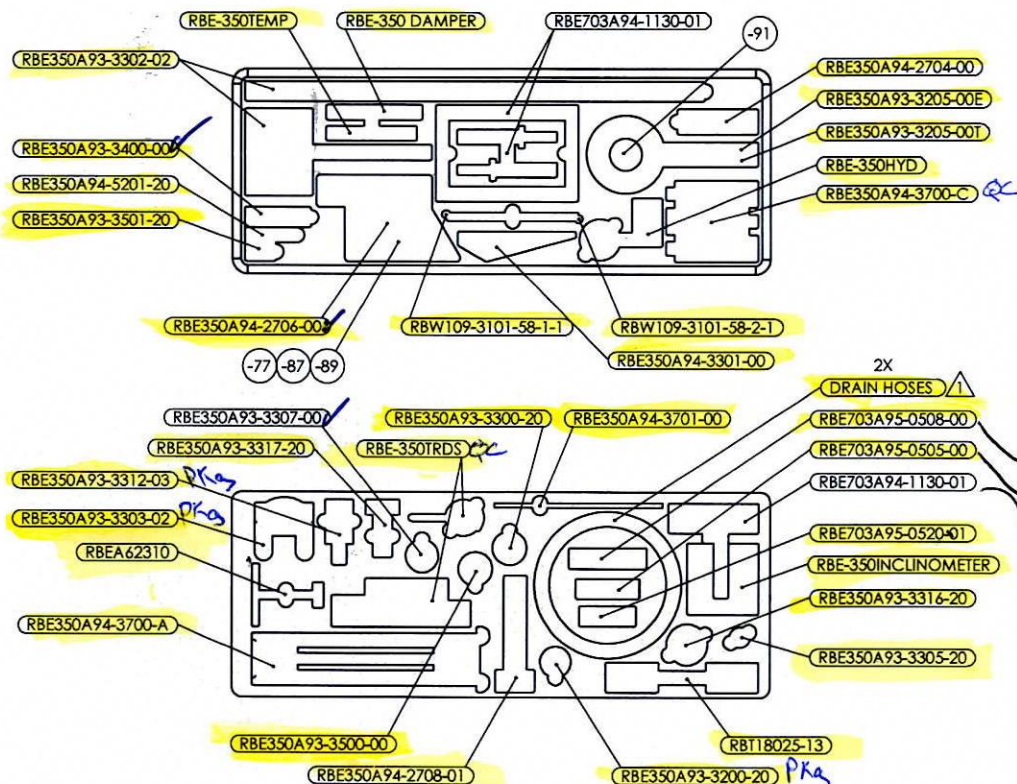
Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 813 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 03/29/18

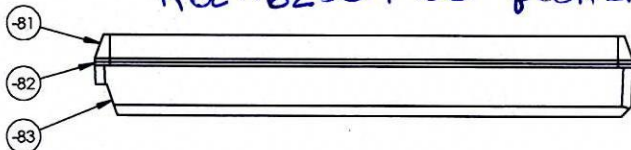


703

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RBEA62309-65 (content card)



| REVISIONS |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |         |          |
|-----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| REV       | ECR     | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DATE       | INITIAL | APPROVED |
| 1         |         | -#1 REARRANGED TOP SHELF TOOLS. -#3 RECONFIGURED BOTTOM SHELF TOOL ARRANGEMENT TO BETTER FIT RED BARN TOOLS. -#5 RECONFIGURED TOP AND BOTTOM SHELF TOOL ARRANGEMENT TO BETTER FIT RED BARN TOOLS. ADDED LAMINATED LOCATOR CARD AND LANYARD COMPONENTS.                                                                                                                                                                                                                                                                                                                                                                                              | 9/22/2009  | WP      |          |
| 2         |         | REDRAWN TO USE HELPPRODUCTS TOOLS AND ALLOW FOR 3 DRAIN HOSES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1/25/2010  | WP      | RW       |
| 2A        |         | ADDED NEW RED BARN PHOTOS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2/11/2010  | RJC     | RW       |
| 3         |         | -#1 REARRANGED TOP SHLF TOOLS. -#3 RARRANGED BOTTOM SHELF TOOL CUSHION TO ACCOMMODATE NEW DIGITAL TORPEDO LEVEL. ADDED SECTION A-A TO CLARIFY CUT OUT FOR RBEA94-3701-00. CHD CUTOUT DEPTH FOR RBEA94-3700-A. RBEA94-5201-20 & RBEA93-3501-20. -#5 REARRANGED TOP AND BOTTOM SHELF CUSHIONS TO ACCOMMODATE NEW DIGITAL TORPEDO LEVEL. CHD CARD INFORMATION FOR L&S.                                                                                                                                                                                                                                                                                 | 2/18/2010  | RJC     |          |
| 4         |         | -#3 REARRANGED TOOL CUTOUS, ADDED CUT OUT FOR RBEA62310. -#5 UPDATED CARD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3/9/2010   | WP      |          |
| 4A        |         | -#9 & -#1 CHD QTY. FROM 3 TO 1 SET. UPDATED LAYOUT PHOTOS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5/26/2010  | RJC     |          |
| 4B        |         | -#7 & -#9 ADDED ONE TO EACH QTY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7/21/2010  | WP      | RW       |
| 4C        |         | -#1 ADDED CONTAINER FOR RBEA93-3205-00-1 & RBEA93-3205-00-03 NUTS & BOLTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10/27/2010 | WP      | DW       |
| 5         |         | -#1 DELETED CUTOUT NOTCHES FOR RBE-RDGS-15.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6/20/2011  | RJC     | RW       |
| 6         |         | CORRECTED DRAIN HOSE T/N FROM RBEA93-0502-01 TO RBEA93-0520-01. -#3 CHD FOAM CUTOUS FOR RBEA93-3500-00, RBEA93-3500-20, RBEA93-3500-20 & RBEA93-3317-20 FOR BETTER FIT. -#5 UPDATED CARD.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2/27/2012  | RJC     | DW       |
| 7         |         | -#3 CHD TOOL LAYOUT. ADDED NEW DESIGN FOR DRAIN HOSES & CUTOUS FOR INDIVIDUAL QUILLS. CHD CUTOUT FOR RBEA94-3700-A FOR TIGHTER FIT. -#5 UPDATED CARD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1/9/2013   | RJC     | SE       |
| 7A        |         | -#5 CORRECTED ITEM Q P/N FROM RBEA93-3505-02 TO RBEA93-3505-20. CHD F QTY. FROM 8 TO 1. ADDED 4 DRAIN HOSE QTY. 2. CHD LOCATION D1 & D2 TO D1 AND X1, X2, & X3 TO X.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4/11/2013  | RJC     | RJC      |
| 8         |         | -#1 CHD DIM WAS 4.75 & 4.44. -#3 CHD CUTOUT LOCATION FOR RBE350A94-3700-A. -#5 CORRECTED T/N & TOOL DESCRIPTION TO MATCH CURRENT DRAWINGS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10/24/2013 | CFS     | DW       |
| 9         |         | -#1 CHD CUTOUT FOR RBE-350HYD (NEW GAUGE). CHD CUTOUT FOR RBE350A94-3700-C TO FIT BETTER. -#3 CHD CUTOUT FOR RBE350A94-3700-A TO SECURE TOOLS BETTER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3/25/2014  | RJC     | DW       |
| 10        | 15-0038 | UPDATED TO NEW DRAFTING STANDARDS. -#3 CHD FOAM TO ACCOMMODATE SNAP-ON INCLINOMETER. -#5 CHD CARD TO SHOW NEW TOOL LAYOUT WITH SNAP-ON INCLINOMETER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2/11/2015  | DPD     | JAG      |
| 11        | 16-0149 | -#1 ADDED DETAIL SHEET. REPLACED RBE-RDGS-15 WITH RBT18025-13 AND MOVED TO -#3. ADDED RBW109-3101-58-1 & RBW109-3101-58-2. CHD MATERIAL WAS 720 BLACK E ETHAFOAM 220. BLACK. -#2 ADDED DRAWING. -#3 ADDED DETAIL SHEET. CHD TOOL LAYOUT. CHD DIM WAS 4X 9.64 & 3X 24.4 & 45. DELETED DIMS 73 (X2), 1P (X2), 1.38 (X2) & R 73 (X4) SPHERE AND ADDED DIMS 78, 1.48 & 1.25. CHD FOAM WAS 720 BLACK E ETHAFOAM 220. BLACK. MOVED RBE350A93-3400-00. RBE350A94-3201-20 & RBE350A93-3501-20 TO -#1. -#3 RBE-RDGS-15 REPLACED W/ RBT18025-13. -#5 REARRANGED TOOLS TOP AND BOTTOM. ADDED RBW109-3101-58-1, RBW109-3101-58-2, RBT18025-13, -77, -87, & -89. | 9/20/2016  | RJC     | JAG      |
| 12        | 17-0013 | -#1 CHD DIM WAS 820 & 82. -#3 CHD DETAIL ORGANIZATION. REMOVED DIM 3X 9.88, 3X 1.38, 33.47, 2X 34.17, 2.25, 8.07, 7.13. ADDED DIM 67.75, 30.13, 5.49, 12.77, R.13, R1.38, 5X R.50, 2X R.63, 6X R.13, R.50. CHD DIM WAS 10.24 & 3X 10.24. WAS 2X 34.86 & 3X 34.86. WAS 12.33 & 8.60. WAS 11.565 & 11.57. -#5 REARRANGED TOOLS ON BOTTOM SHELF. UPDATED ITEM 12 & 13 TOOL NUMBERS.                                                                                                                                                                                                                                                                    | 1/24/2017  | SM      | JAG      |

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1801-17

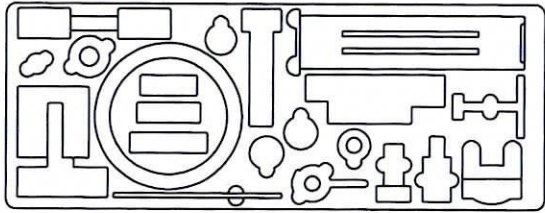
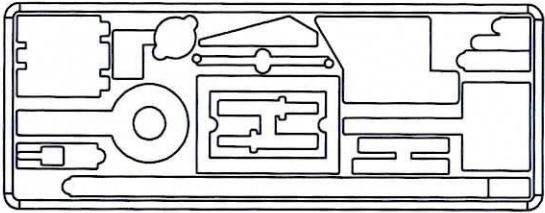
## NOTE:

7 FT. HOSES MUST COUPLE IN CUTOUT. MIN TRIM ACCEPTABLE.

|                                                                                                                                                                                                                                                                                                                                  |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>DART</b><br>AEROSPACE                                                                                                                                                                                                                                                                                                         |           |
| TITLE<br>AS350-355 FIELD MAINTENANCE KIT                                                                                                                                                                                                                                                                                         |           |
| DWG NO.<br>RBEA62309                                                                                                                                                                                                                                                                                                             | REV<br>12 |
| MAT'L<br>FINISH<br>SPEC<br>DRAWN BY: CLOUGH<br>CHECKED: DUERFELDT<br>OPFS APPR: ANDERSON<br>QA APPR: LINDSAY<br>APPROVED: GILBERT<br>SCALE: 1:8<br>DATE: 9/20/2016<br>SHEET 1 OF 8                                                                                                                                               |           |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .010 FRACTIONS ± 1/16<br>.XX ± .03 ANGLES ± 1°<br>.X ± .1 SURFACES ± 1/32<br>1. BREAK ALL SHARP EDGES<br>.015 ± .005 OR .015R<br>2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING<br>3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009<br>USED ON MODEL<br>AS350/355 |           |

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| ASSY QTY | UNIT | Part # | B/O | Description                                   | Material | R/O INFORMATION OR SPECIFICATIONS             | P.O.  |
|----------|------|--------|-----|-----------------------------------------------|----------|-----------------------------------------------|-------|
| 1        |      |        |     | DAMPER SPANNER WRENCH                         |          | RBE-350DAMPER                                 | 1     |
| 1        |      |        |     | HYD. ACCUMULATOR FITTING GAUGE                |          | RBE-350HYD                                    | 1     |
| 1        |      |        |     | T/R DRIVESHAFT BEARING KNUCKLE GAUGE          |          | RBE-350TRDS                                   | 1     |
| 1        |      |        |     | MGB/ROTOR BRAKE RETAINING NUT WRENCH          |          | RBE350A93-3200-20                             | 1     |
| 1        |      |        |     | T/R G/8 INPUT FLANGE HOLDING WRENCH           |          | RBE350A93-3205-007                            | 1     |
| 1        |      |        |     | ENGINE O/R INPUT FLANGE HOLDING WRENCH        |          | RBE350A93-3205-00E                            | 1     |
| 1        |      |        |     | T/R HUB SOCKET                                |          | RBE350A93-3300-20                             | 1     |
| 1        |      |        |     | T/R HUB LOCK WRENCH                           |          | RBE350A93-3300-02                             | 1     |
| 1        |      |        |     | T/R BODY EXTRACTION TOOL                      |          | RBE350A93-3303-02                             | 1     |
| 1        |      |        |     | TAIL GEARBOX WRENCH                           |          | RBE350A93-3303-20                             | 1     |
| 1        |      |        |     | TAIL GEARBOX SEAL EXTRACTOR                   |          | RBE350A93-3307-00                             | 1     |
| 1        |      |        |     | T/R HUB BUSHING REPLACEMENT TOOL              |          | RBE350A93-3312-03                             | 1     |
| 1        |      |        |     | ROTATING STAR REPLACEMENT WRENCH              |          | RBE350A93-3316-20                             | 1     |
| 1        |      |        |     | TAIL ROTOR HUB INSERT TOOL                    |          | RBE350A93-3317-20                             | 1     |
| 1        |      |        |     | DRIVE SHAFT THIMBLE                           |          | RBE350A93-3400-00                             | 1     |
| 1        |      |        |     | BEARING EXTRACTOR                             |          | RBE350A93-3500-00                             | 1     |
| 1        |      |        |     | EXTRACTION TOOL HYD. PUMP PULLEY BEARING      |          | RBE350A93-3501-20                             | 1     |
| 1        |      |        |     | M/R BLADE TRIM TABS TOOLS                     |          | RBE703A94-1130-01                             | 1     |
| 1        |      |        |     | JAMMING TOOL, PEDALS                          |          | RBE350A94-2704-00                             | 1     |
| 1        |      |        |     | ROCKING PIN SET                               |          | RBE350A94-2706-00                             | 1     |
| 1        |      |        |     | T/R BLADE LOCK FIXTURE                        |          | RBE350A94-2708-01                             | 1     |
| 1        |      |        |     | T/R ACCELERATOR SUPPORT                       |          | RBE350A94-3301-00                             | 1     |
| 1        |      |        |     | SWASHPLATE IMMOBILIZING TOOL LONG BRACE       |          | RBE350A94-3700-4                              | 1     |
| 1        |      |        |     | SWASHPLATE IMMOBILIZING TOOL ADJUSTABLE BRACE |          | RBE350A94-3700-C                              | 1     |
| 1        |      |        |     | M/R HOODING TOOL                              |          | RBE350A94-5201-20                             | 1     |
| 1        |      |        |     | CARTIDGE, DUMMAY, FUEL                        |          | RBE703A95-0502-01-1, -11, -13, -15            | 1     |
| 1        |      |        |     | ENGINE & HYDRAULIC                            |          | RBE703A95-0505-00                             | 1     |
| 1        |      |        |     | TGB DRAIN TUBE                                |          | RBE703A95-0506-00                             | 1     |
| 1        |      |        |     | MGB DRAIN TUBE                                |          | RBE703A95-0508-00                             | 1     |
| 1        |      |        |     | LINEAR SCALE                                  |          | RBT18025-13                                   | 1     |
| 1        |      |        |     | RBEA42310                                     |          | RBEA42310                                     | 1     |
| 1        |      |        |     | HAMMER, STEEL                                 |          | RBW109-3101-58-1,1                            | 1     |
| 1        |      |        |     | HAMMER, ALUMINUM                              |          | RBW109-3101-58-2,1                            | 1     |
| 1        |      |        |     | INCINOMETER                                   |          | RBE-350INCINOMETER                            | 1     |
| 1        |      |        |     | TEMPERATURE PROBE                             |          | RBE-350TEMP                                   | 1     |
| 1        |      |        |     | LAMINATED CARD                                |          | 01/16 X 12 CARB LAMINE #CL-3-C                | N/S   |
| 1        |      |        |     | NICKEL-PLATED BRASS                           |          | 02/00, 02/02 OD (MCMASTER-CARR #846525X31)    | N/S   |
| 1        |      |        |     | COATED COPPER                                 |          | 02/2 CARB-LAMINE #CL-1947EMH-2                | N/S   |
| 1        |      |        |     | ALUMINUM                                      |          | 03/16 X 3/8 - 1/2 (MCMASTER-CARR #97524A421)  | N/S   |
| 1        |      |        |     | ALUMINUM                                      |          | 07/16 X 3/8 (MCMASTER-CARR #3896131)          | N/S   |
| 1        |      |        |     | BUNGEE CORD                                   |          | 07/16 X 10M                                   | 1     |
| 1        |      |        |     | PLASTIC                                       |          | PEBCAN #APP-1700-E                            | N/S   |
| 1        |      |        |     | ETHAFOAM 220, BLACK                           |          | 1/81 X 13/8 X 35-5/8 (CASE SOLUTIONS)         | 3 A.7 |
| 1        |      |        |     | ETHAFOAM 220, BLACK                           |          | 3/14 X 13/8 X 35-5/8 (CASE SOLUTIONS)         | 6 A.7 |
| 1        |      |        |     | NYLON                                         |          | NAS 1756-12                                   | 1     |
| 1        |      |        |     | NYLON                                         |          | (MCMASTER-CARR #718931)                       | 1     |
| 1        |      |        |     | POLYPROPYLENE                                 |          | 02/03 O.D. X 1.58H. (MCMASTER-CARR #52741761) | 1     |
| 1        |      |        |     | ALUMINUM                                      |          | R841011                                       | N/S   |



TITLE: AS350-355 FIELD MAINTENANCE KIT  
 DWG NO.: RBEA62309  
 REV: 12  
 UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 DECIMALS & 1/8  
 ANGLES & 1/2  
 FINISH: XX 2.01  
 X 2.01  
 1. BREAK ALL SHARP EDGES  
 SURFACES = 125  
 2. DIMENSIONAL LIMITS APPLY  
 AFTER PLATING  
 3. BUTT JOINTS AND TOL. PER  
 ASME Y14.5M-2009  
 USED ON MODEL: AS350/355  
 APPROVED: GILBERT  
 DATE: 9/20/2016  
 SCALE: 1:1  
 SHEET 2 OF 8

| REV | ECR     | DESCRIPTION                                                                                                                                                                         | DATE      | INITIAL | APPROVED |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|----------|
| 11  | 16-0149 | 13<br>ACCD RBEW109-3101-58-1 & RBEW109-3101-58-2 TO BOM. -43 RBE-8005-15 REPLACED W/ RBT18025-13                                                                                    | 9/21/2016 | RJC     | JAG      |
| 12  | 17-0013 | CHD S/O BNC WAS RBE703A95-0502-01-1, -11, -13, -15 WAS RBEW109-3101-58-1 & RBEW109-3101-58-2 IS RBEW109-3101-58-2-1; CHD DESCRIPTION WAS ENHANCE & HYDRAULIC -77 CHD QTY WAS 1 & 4. | 1/24/2017 | SM      | JAG      |



DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                      | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MRB (QS1042) Approval                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Completed By                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lead hand / Supervisor Approval Verification                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | QC / QA Coordinator Approval                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Root Cause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FAULT CATEGORY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Environment <input type="checkbox"/><br>Design <input type="checkbox"/><br>Doc/Data <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Pre <input type="checkbox"/><br>Material <input type="checkbox"/><br>Internal Transport <input type="checkbox"/><br>Tribal Knowledge <input type="checkbox"/><br>LOA <input type="checkbox"/><br>Substation <input type="checkbox"/><br>Past Expiry Date <input type="checkbox"/><br>Misidentified <input type="checkbox"/> | No Re-verification <input type="checkbox"/><br>Operator <input type="checkbox"/><br>Offset/Setup <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Training <input type="checkbox"/><br>Use for Testing <input type="checkbox"/><br>Poor Information <input type="checkbox"/><br>Rushing <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Past Due <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Centre Not Concentric <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave <input type="checkbox"/><br>Cuffs <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Heat Treat <input type="checkbox"/><br>Wave/Twist in Tube <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Temperature/Cure <input type="checkbox"/><br>Set-up <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Inspection Incomplete/Unqualified <input type="checkbox"/><br>Contamination <input type="checkbox"/><br>Countersink <input type="checkbox"/><br>Cut Too Short <input type="checkbox"/><br>Instructions Incomplete/Unclear <input type="checkbox"/><br>Drill Holes <input type="checkbox"/> | Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set <input type="checkbox"/><br>Misabeled <input type="checkbox"/><br>Fit/Function <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/> | Positioned Wrong <input type="checkbox"/><br>Outside Dimensions <input type="checkbox"/><br>Over/Under tolerance <input type="checkbox"/><br>Part Incorrect <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Part Moved <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Misread <input type="checkbox"/><br>Turning Sequence <input type="checkbox"/> |
| OTHER :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |